

NOT APPROVED FOR PRODUCTION

UNDER REVIEW

URF 19-1120 19.10.30 (

RB RED BARN MA

URF 19-1120 19.10.30 (VM)

 RED BARN MACHINE


NOT APPROVED FOR PRODUCTION

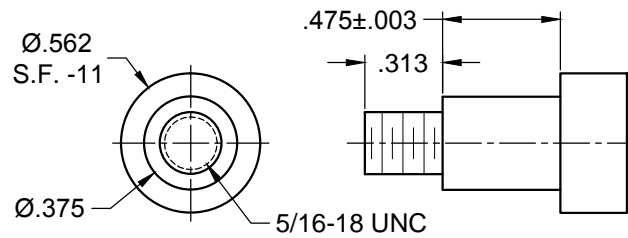
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

UNDER REVIEW

URF 19-1120 19.10.30 (VM)

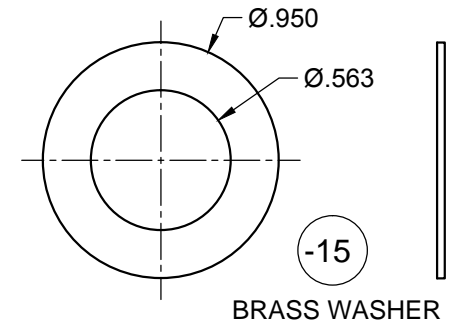
	PART #	QTY	DESCRIPTION
	-1	1	--

DRAWN BY: PERRITT	 RED BARN MACHINE	
CHECKED		
HEAT TREAT FINISH SPEC		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± .5° .X ± .1		
USED ON MODEL ?	TITLE	
	DWG NO. PART #	REV.
	SCALE NTS	DATE 1-28-06 SHEET 1 of 1
	UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	



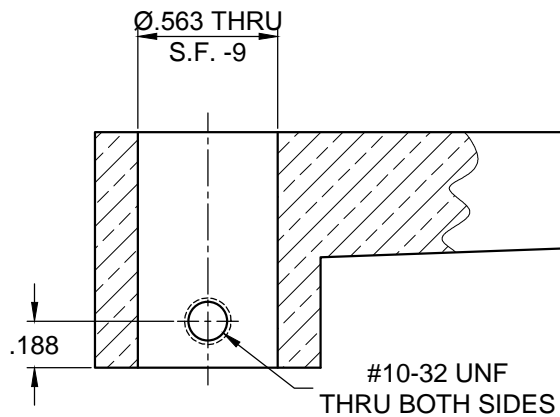
-13

PINION BOLT



-15

BRASS WASHER



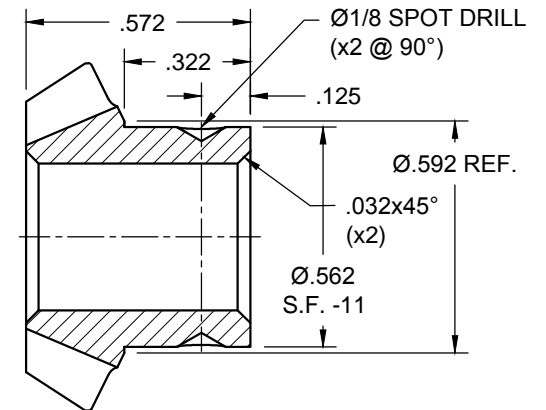
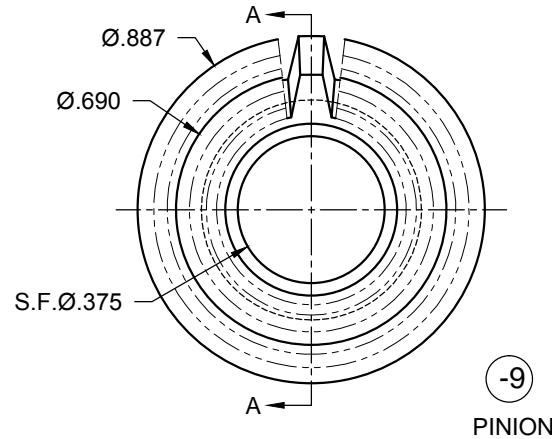
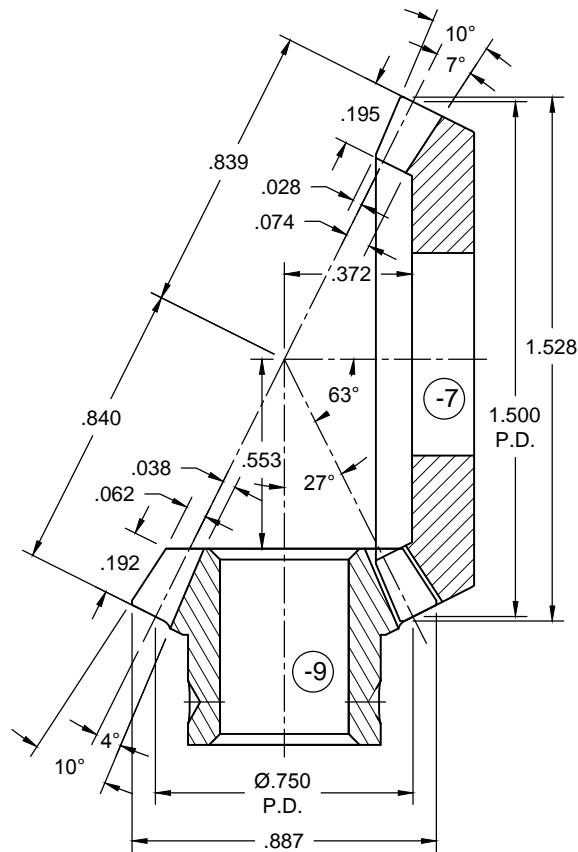
-11

HANDLE

**UNDER REVIEW**

URF 19-1120 19.10.30 (VM)

RED BARN MACHINE			
TITLE RIGHT ANGLE ATTACHMENT PARTS			
DWG NO.	K'STRA101-11 THRU -15		REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT	
TOLERANCES ON:		APPROVED	
DECIMALS		HEAT	
XXX ± .005		TREAT	
XX ± .01		FINISH	
X ± .1		SPEC	
FRACTIONS ± 1/32		USED ON BEARING	
ANGLES ± 5°		SEE CHART	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE	NTS	DATE	3-25-08
		SHEET	6 of 6



SECTION A-A

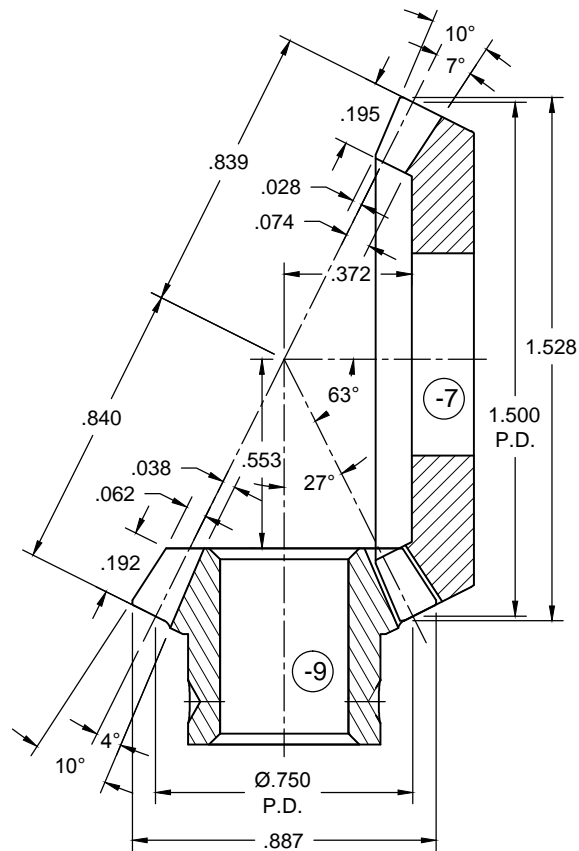
**UNDER REVIEW**

URF 19-1120 19.10.30 (VM)

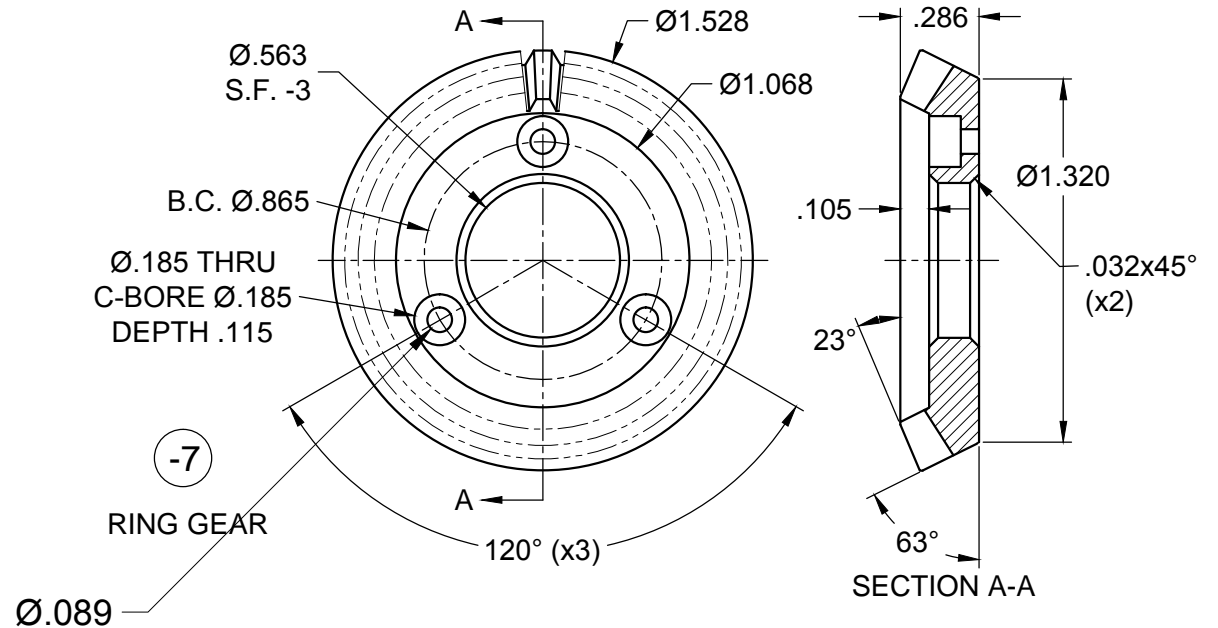
BEVEL GEAR TOOTH DATA	
No. OF TEETH	12
DIAMETRAL PITCH	16
PRESSURE ANGLE	20°
CONE DISTANCE	.840
PITCH DIAMETER	.750
ROOT ANGLE	23°
PITCH ANGLE	27°
ADDENDUM	.062
WHOLE DEPTH	.100
FACE WIDTH	.192

<b>RED BARN MACHINE</b>	
<b>TITLE</b> RIGHT ANGLE ATTACHMENT PINION	
<b>DWG NO.</b> KSTRA101-9	<b>REV</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: <b>PERRITT</b> APPROVED:	
HEAT TREAT: <b>BLACK OXIDE</b> FINISH SPEC:	
USED ON BEARING SEE CHART	
SCALE <b>NTS</b>	DATE <b>3-25-08</b>
SHEET <b>5 of 6</b>	

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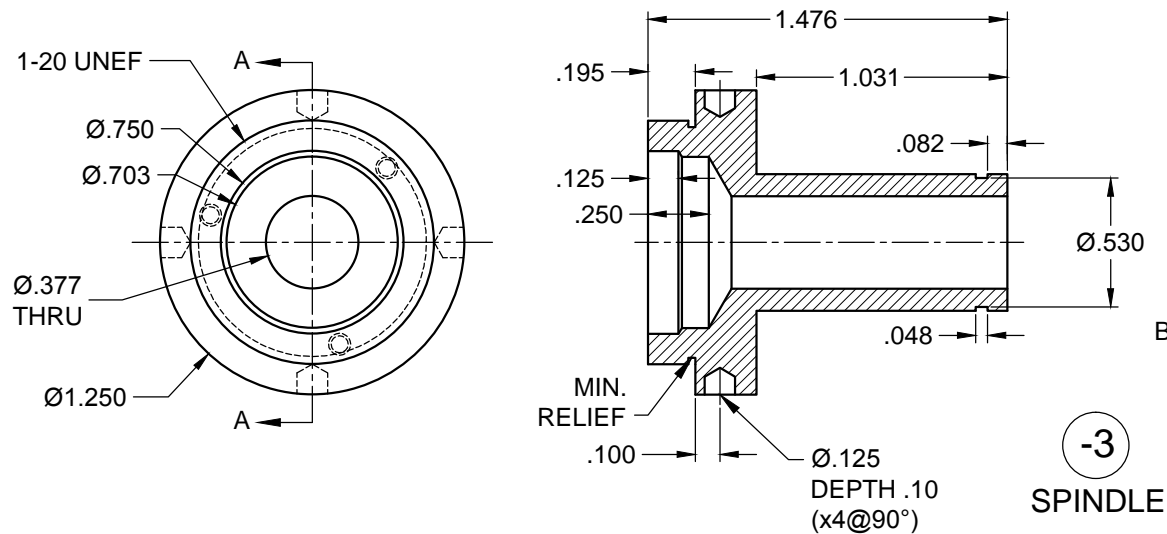
BEVEL GEAR TOOTH DATA	
No. OF TEETH	24
DIAMETRAL PITCH	16
PRESSURE ANGLE	20°
CONE DISTANCE	.839
PITCH DIAMETER	1.500
ROOT ANGLE	56°
PITCH ANGLE	63°
ADDENDUM	.028
WHOLE DEPTH	.102
FACE WIDTH	.195



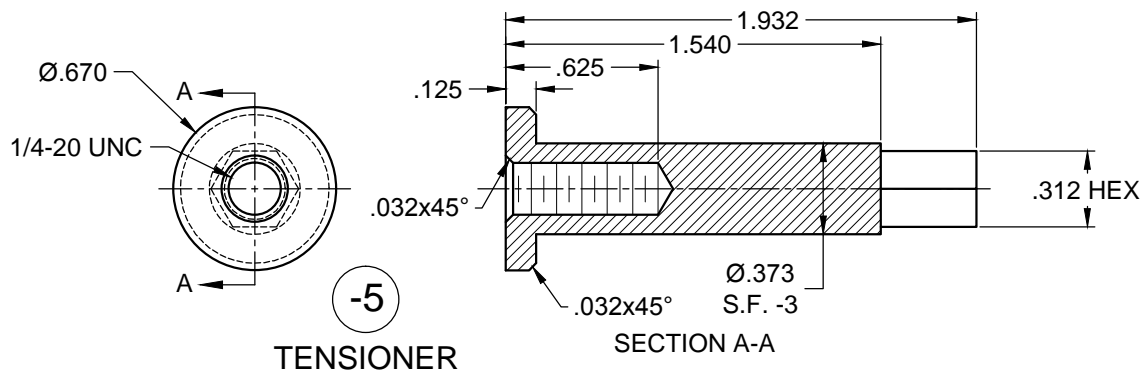
**UNDER REVIEW**

URF 19-1120 19.10.30 (VM)

<b>RED BARN MACHINE</b>	
TITLE <b>RIGHT ANGLE ATTACHMENT RING GEAR</b>	
DWG NO. <b>KSTRA101-7</b>	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE <b>NTS</b>	DATE <b>3-25-08</b>
SHEET <b>4 of 6</b>	
DRAWN BY: <b>PERRITT</b>	
APPROVED	
HEAT TREAT FINISH SPEC <b>BLACK OXIDE</b>	
USED ON BEARING <b>SEE CHART</b>	



**-3**  
SPINDLE

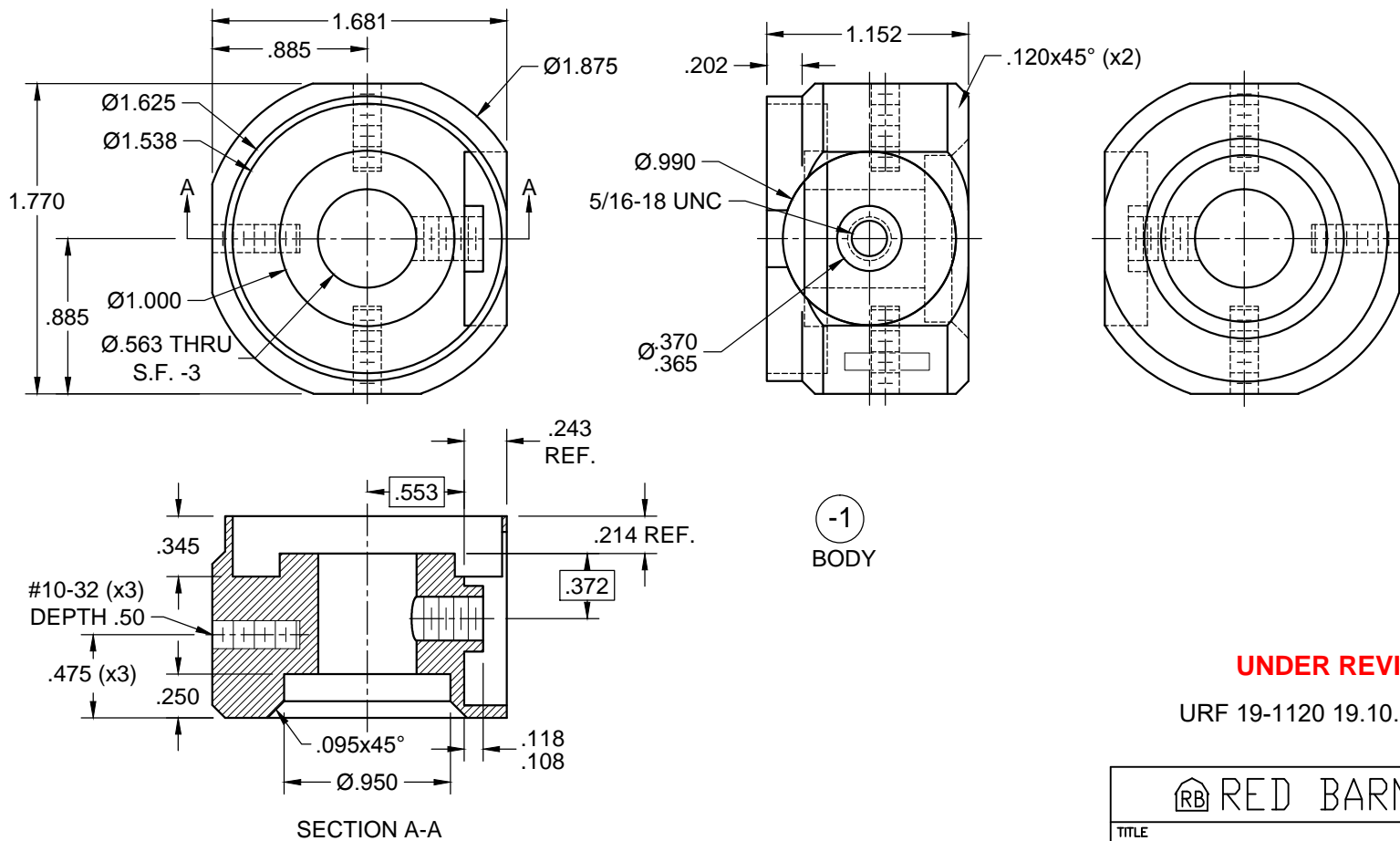


**-5**  
TENSIONER

**UNDER REVIEW**

URF 19-1120 19.10.30 (VM)

<b>RED BARN MACHINE</b>			
TITLE RIGHT ANGLE ATTACHMENT PARTS			
DWG NO. KSTRA101-3 & -5			REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT	
TOLERANCES ON:		APPROVED	
DECIMALS		HEAT TREAT	
.XXX ± .005		FINISH	
.XX ± .01		SPEC	
X ± .1		BLACK OXIDE	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON BEARING	
SCALE NTS		SEE CHART	
DATE 3-25-08		SHEET 3 of 6	

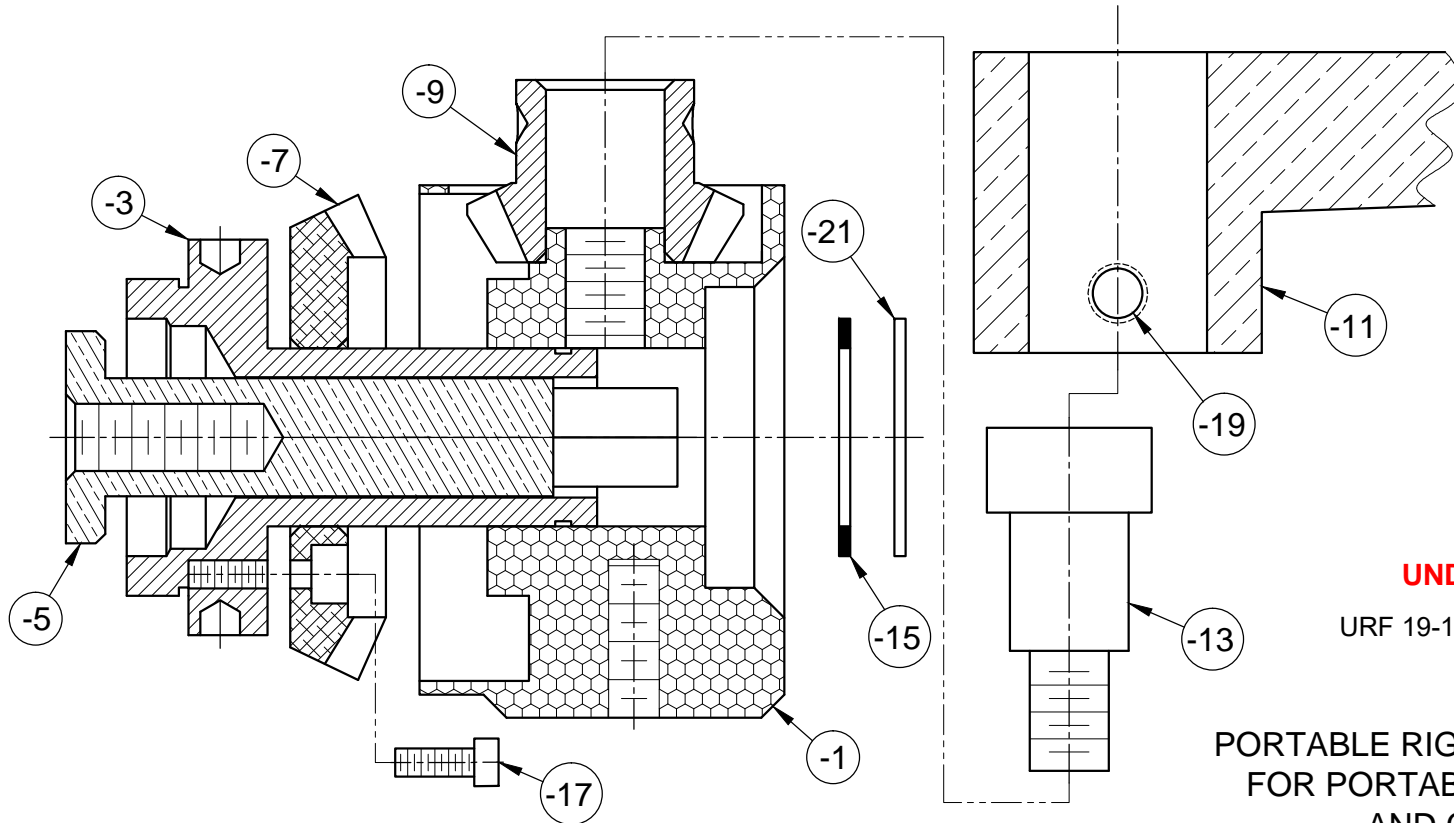


**UNDER REVIEW**

URF 19-1120 19.10.30 (VM)

RED BARN MACHINE	
TITLE RIGHT ANGLE ATTACHMENT HOUSING	
DWG NO. KSTRA101-1	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS ± 1/32
.XXX ± .005	ANGLES ± 5°
.XX ± .01	
X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 3-25-08
SHEET 2 of 6	
DRAWN BY: PERRITT	
APPROVED	
HEAT TREAT	
FINISH SPEC BLACK ANODIZE	
USED ON BEARING	

REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
-	--	-	-



**UNDER REVIEW**

URF 19-1120 19.10.30 (VM)

# PORTABLE RIGHT ANGLE ATTACHMENT FOR PORTABLE BEARING SWAGING AND CUTTING TOOLS

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MAT.	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	HOUSING	6061 RND. BAR	Ø2 x 1-5/16	2
			-3	1	SPINDLE	1018 RND. BAR	Ø1-1/4 x 1-5/8	3
			-5	1	TENSIONER	1018 RND. BAR	Ø3/4 x 2-1/16	3
		W/O	-7	1	RING GEAR	STEEL	BOSTON GEAR #L148Y-G (APPLIED)	4
		W/O	-9	1	PINION	STEEL	BOSTON GEAR #L148Y-P (APPLIED)	5
		W/O	-11	1	HANDLE	ALUMINUM	MSC #01885854	6
		W/O	-13	1	PINION BOLT	STEEL, BLACK	Ø3/8 x 1/2 S.H. SHOLDER BOLT	6
		W/O	-15	1	WASHER	BRASS	MSC #05914445	6
		W/O	-17	1	S.H. CAP SCREWS	STEEL, BLACK	#2-56 x 1/4	1
		B/O	-19	1	S.H. SET SCREWS	STEEL, BLACK	#10-32 x 1/4	N/S
		B/O	-21	1	SNAP RING	STEEL, BLACK	Ø9/16 SHAFT, MCMMASTER-CARR #97633A210	1
ASSY #								

**RED BARN MACHINE**

TITLE  
PORTABLE RIGHT ANGLE ATTACHMENT

DWG NO. KSTRA101 REV

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON:  
DECIMALS .XXX ± .005 FRACTIONS ± 1/32  
.XX ± .01 ANGLES ± 5°  
X ± .1

DRAWN BY: PERRITT  
APPROVED  
HEAT TREAT  
FINISH SPEC  
USED ON BEARING  
SEE PART

UNLESS OTHERWISE SPECIFIED  
1. BREAK ALL SHARP EDGES  
.015 x 45° PR .015 R  
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

SCALE NTS DATE 3-25-08 SHEET 1 of 6